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chemical name field
NEWS 3 OCT 06 Increase your retrieval consistency with new formats or
for Taiwanese application numbers in CA/CAPLUS.
NEWS 4 OCT 21 CA/CAPLUS kind code changes for Chinese patents
increase consistency, save time
NEWS 5 OCT 22 New version of STN Viewer preserves custom
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saved in .rtf format
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NEWS 7 NOV 03 New format for Korean patent application numbers in
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December 31, 2010 by Request of Prous Science
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Substance-Based Searching
NEWS 11 NOV 24 Search an additional 46,850 records with MEDLINE
backfile extension to 1946
NEWS 12 DEC 14 New PNK Field Allows More Precise Crossover among STN
Patent Databases
NEWS 13 DEC 18 ReaxysFile available on STN
NEWS 14 DEC 21 CAS Learning Solutions -- a new online training experience
NEWS 15 DEC 22 Value-Added Indexing Improves Access to World Traditional
Medicine Patents in CAPLUS

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
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FILE 'HOME' ENTERED AT 16:39:40 ON 14 JAN 2011

=> file medline, agricola, caba, caplus, biosis, biotechno	
COST IN U.S. DOLLARS	SINCE FILE
	ENTRY
FULL ESTIMATED COST	0.23
	TOTAL SESSION
	0.23

FILE 'MEDLINE' ENTERED AT 16:40:16 ON 14 JAN 2011

FILE 'AGRICOLA' ENTERED AT 16:40:16 ON 14 JAN 2011

FILE 'CABA' ENTERED AT 16:40:16 ON 14 JAN 2011

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FILE 'CAPLUS' ENTERED AT 16:40:16 ON 14 JAN 2011
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FILE 'BIOSIS' ENTERED AT 16:40:16 ON 14 JAN 2011

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FILE 'BIOTECHNO' ENTERED AT 16:40:16 ON 14 JAN 2011

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=> s (slabas, a? or slabas a?)/au
L1 734 (SLABAS, A? OR SLABAS A?)/AU

=> s (chivasa, s? or chivasa s?)/au
L2 73 (CHIVASA, S? OR CHIVASA S?)/AU

=> s (ndimba, b? or ndimba b?)/au
L3 57 (NDIMBA, B? OR NDIMBA B?)/AU

=> s (lindsey, k? or lindsey k?)/au
L4 606 (LINDSEY, K? OR LINDSEY K?)/AU

=> s l1 and l2 and l3 and l4
L5 13 L1 AND L2 AND L3 AND L4

=> duplicate remove l5
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L5
L6 5 DUPLICATE REMOVE L5 (8 DUPLICATES REMOVED)

=> d l6 1-5 bib

L6 ANSWER 1 OF 5 MEDLINE on STN DUPLICATE 1
AN 2006210401 MEDLINE
DN PubMed ID: 16547123
TI Proteomic analysis of differentially expressed proteins in fungal
elicitor-treated Arabidopsis cell cultures.
AU Chivasa Stephen; Hamilton John M; Pringle Richard S; Ndimba
Bongani K; Simon William J; Lindsey Keith; Slabas
Antoni R
CS School of Biological and Biomedical Sciences, Durham University, Durham
DH1 3LE, UK.
SO Journal of experimental botany, (2006) Vol. 57, No. 7, pp. 1553-62.
Electronic Publication: 2006-03-17.
Journal code: 9882906. ISSN: 0022-0957. L-ISSN: 0022-0957.

CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200606
ED Entered STN: 18 Apr 2006
Last Updated on STN: 17 Jun 2006
Entered Medline: 16 Jun 2006

L6 ANSWER 2 OF 5 MEDLINE on STN DUPLICATE 2
AN 2005588525 MEDLINE
DN PubMed ID: 16199612
TI Extracellular ATP functions as an endogenous external metabolite
regulating plant cell viability.
AU Chivasa Stephen; Ndimba Bongani K; Simon William J;
Lindsey Keith; Slabas Antoni R
CS Creative Gene Technology, Integrative Cell Biology Laboratory, School of
Biological and Biomedical Sciences, University of Durham, Durham DH1 3LE,
United Kingdom.
SO The Plant cell, (2005 Nov) Vol. 17, No. 11, pp. 3019-34. Electronic
Publication: 2005-09-30.
Journal code: 9208688. ISSN: 1040-4651. L-ISSN: 1040-4651.
Report No.: NLM-PMC1276027.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200605
ED Entered STN: 4 Nov 2005
Last Updated on STN: 27 May 2006
Entered Medline: 26 May 2006
REM.CNT 58 There are 58 cited references available in MEDLINE for this
document.

L6 ANSWER 3 OF 5 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
AN 2008:427424 BIOSIS
DN PREV200800427423
TI Organellar proteomics unravels novel signalling pathways in Arabidopsis
thaliana.
AU Chivasa, S. [Reprint Author]; Ndimba, B. K.; Simon, J.
W.; Lindsey, K.; Slabas, A. R.
CS Univ Durham, Sch Biol and Biochem Sci, Durham DH1 3LE, UK
stephen.chivasa@durham.ac.uk
SO Comparative Biochemistry and Physiology Part A Molecular & Integrative
Physiology, (JUL 2005) Vol. 141, No. 3, Suppl. S, pp. S251.
Meeting Info.: Annual Meeting of the Society-for-Experimental-Biology.
Barcelona, SPAIN. July 11 -15, 2005. Soc Expt Biol.
ISSN: 1095-6433.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 6 Aug 2008
Last Updated on STN: 6 Aug 2008

L6 ANSWER 4 OF 5 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
AN 2008:560890 BIOSIS
DN PREV200800560889
TI A novel cell signalling pathway in Arabidopsis revealed by proteomics.
AU Slabas, A. [Reprint Author]; Ndimba, B.; Simon, W.;
Lindsey, K.; Chivasa, S.
CS Univ Durham, Durham, UK

SO Molecular & Cellular Proteomics, (AUG 2005) Vol. 4, No. 8, Suppl. 1, pp. S14.
 Meeting Info.: 4th Annual World Congress of the
 Human-Proteome-Organisation (HUPO). Munich, GERMANY. August 28 -September
 01, 2005. Human Proteome Org.
 ISSN: 1535-9476.

DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 15 Oct 2008
 Last Updated on STN: 15 Oct 2008

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2011 ACS on STN

AN 2004:857715 CAPLUS

DN 141:346627

TI Plant cell viability regulated by nucleotide triphosphate availability and
 application to herbicide screening and related uses

IN Slabas, Antoni Ryszard; Chivasa, Stephen; Ndimba,
 Bongani Kaiser; Lindsey, Keith

PA University of Durham, UK

SO PCT Int. Appl., 69 pp.
 CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087944	A1	20041014	WO 2004-GB1436	20040401
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2519767	A1	20041014	CA 2004-2519767	20040401
	EP 1608772	A1	20051228	EP 2004-725107	20040401
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
	US 20060265776	A1	20061123	US 2006-551718	20060623
PRAI	GB 2003-7470	A	20030401		
	WO 2004-GB1436	W	20040401		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 16:39:40 ON 14 JAN 2011)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
 16:40:16 ON 14 JAN 2011

L1 734 S (SLABAS, A? OR SLABAS A?)/AU
 L2 73 S (CHIVASA, S? OR CHIVASA S?)/AU
 L3 57 S (NDIMBA, B? OR NDIMBA B?)/AU
 L4 606 S (LINDSEY, K? OR LINDSEY K?)/AU
 L5 13 S L1 AND L2 AND L3 AND L4

```

L6          5 DUPLICATE REMOVE L5 (8 DUPLICATES REMOVED)

=> s AMP-PCP or AMP-PNP or ATP-gamma-S or GMP-PCP or GMP-PNP or GTP-gamma-S
L7          22133 AMP-PCP OR AMP-PNP OR ATP-GAMMA-S OR GMP-PCP OR GMP-PNP OR GTP-G
          AMMA-S

=> s (nonhydrolyzable or non-hydrolyzable or non-hydrolysable or
nonhydrolysable)(s)(analogue or analog)(s)(ATP or NTP)
L8          2901 (NONHYDROLYZABLE OR NON-HYDROLYZABLE OR NON-HYDROLYSABLE OR NONH
          YDROLYSABLE)(S)(ANALOGUE OR ANALOG)(S)(ATP OR NTP)

=> s (beta(w)gamma(w)methylenecienosine(w)5(s)triphosphate) or
(adenosine(w)5(s)beta(w)gamma(w)imido(s)triphosphate) or
(adenosine(w)5(s)gamma(w)thio(s)triphosphate) or
(guanosine(w)5(s)beta(w)gamma(imido(s)triphosphate) or
(guanosine(w)5(s)gamma(w)thio(s)triphosphate)
MISSING OPERATOR 'GAMMA(IMIDO'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> d his

(FILE 'HOME' ENTERED AT 16:39:40 ON 14 JAN 2011)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
16:40:16 ON 14 JAN 2011
L1          734 S (SLABAS, A? OR SLABAS A?)/AU
L2          73 S (CHIVASA, S? OR CHIVASA S?)/AU
L3          57 S (NDIMBA, B? OR NDIMBA B?)/AU
L4          606 S (LINDSEY, K? OR LINDSEY K?)/AU
L5          13 S L1 AND L2 AND L3 AND L4
L6          5 DUPLICATE REMOVE L5 (8 DUPLICATES REMOVED)
L7          22133 S AMP-PCP OR AMP-PNP OR ATP-GAMMA-S OR GMP-PCP OR GMP-PNP OR GT
L8          2901 S (NONHYDROLYZABLE OR NON-HYDROLYZABLE OR NON-HYDROLYSABLE OR N

=> s l7 or l8
L9          23853 L7 OR L8

=> s l1 or l2 or l3 or l4
L10         1356 L1 OR L2 OR L3 OR L4

=> s l9 and l10
L11         11 L9 AND L10

=> s l11 not l5
L12         5 L11 NOT L5

=> duplicate remove l12
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L12
L13         1 DUPLICATE REMOVE L12 (4 DUPLICATES REMOVED)

=> d l13 bib

L13 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1
AN 2010053658 MEDLINE
DN PubMed ID: 19899079
TI The effects of extracellular adenosine 5'-triphosphate on the tobacco
proteome.
AU Chivasa Stephen; Simon William J; Murphy Alex M; Lindsey
Keith; Carr John P; Slabas Antoni R

```

CS Creative Gene Technology Ltd., The Integrative Cell Biology Laboratory,
Durham, UK.
NC BB/D015987/1 (United Kingdom Biotechnology and Biological Sciences
Research Council)
BB/F014376/1 (United Kingdom Biotechnology and Biological Sciences
Research Council)
SO Proteomics, (2010 Jan) Vol. 10, No. 2, pp. 235-44.
Journal code: 101092707. E-ISSN: 1615-9861. L-ISSN: 1615-9853.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 201003
ED Entered STN: 28 Jan 2010
Last Updated on STN: 12 Mar 2010
Entered Medline: 11 Mar 2010

=> s l9 and (plant or plants)
L14 798 L9 AND (PLANT OR PLANTS)

=> s l14 not l10
L15 787 L14 NOT L10

=> s l15 and herbicide
L16 9 L15 AND HERBICIDE

=> duplicate remove l16
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L16
L17 4 DUPLICATE REMOVE L16 (5 DUPLICATES REMOVED)

=> d l17 1-4 ti

L17 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN
TI Crystal structure of plasma membrane proton pump (H⁺-ATPase-2) from
Arabidopsis thaliana

L17 ANSWER 2 OF 4 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Transport of paraquat and polyamines across the vacuolar membrane of
barley mesophyll cells.

L17 ANSWER 3 OF 4 MEDLINE on STN DUPLICATE 1
TI Different energization mechanisms drive the vacuolar uptake of a flavonoid
glucoside and a herbicide glucoside.

L17 ANSWER 4 OF 4 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Transport of oxidized glutathione into barley vacuoles: Evidence for the
involvement of the glutathione-S-conjugate ATPase.

=> d l17 1-4 bib

L17 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN
AN 2009:740088 CAPLUS
DN 151:72062
TI Crystal structure of plasma membrane proton pump (H⁺-ATPase-2) from
Arabidopsis thaliana
IN Palmgren, Michael G.; Buch-Pedersen, Morten; Pedersen, Bjoern Panella;
Nissen, Poul

PA Aarhus Universitet (University of Aarhus), Den.; Koebenhavns Universitet
(University of Copenhagen)
SO PCT Int. Appl., 508pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2009074156	A1	20090618	WO 2008-DK50305	20081212
	W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW,			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	EP 2235171	A1	20101006	EP 2008-858448	20081212
	R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS			
	US 20100296963	A1	20101125	US 2010-747598	20100728
PRAI	DK 2007-1778	A	20071212		
	US 2007-13282P	P	20071212		
	WO 2008-DK50305	W	20081212		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 4 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
AN 1997:444828 BIOSIS
DN PREV199799744031
TI Transport of paraquat and polyamines across the vacuolar membrane of
barley mesophyll cells.
AU Mornet, Clotilde; Mondory, Carole; Gaillard, Cecile; Martinoia, Enrico
[Reprint author]
CS Genet. Physiol. Mol., Batiment Bot., Univ. Poitiers, 40 Ave. du Recteur
Pineau, 86022 Poitiers, France
SO Plant Physiology and Biochemistry (Paris), (1997) Vol. 35, No. 8, pp.
589-594.
CODEN: PPBIEX. ISSN: 0981-9428.
DT Article
LA English
ED Entered STN: 8 Oct 1997
Last Updated on STN: 8 Oct 1997

L17 ANSWER 3 OF 4 MEDLINE on STN DUPLICATE 1
AN 1997094665 MEDLINE
DN PubMed ID: 8939899
TI Different energization mechanisms drive the vacuolar uptake of a flavonoid
glucoside and a herbicide glucoside.
AU Klein M; Weissenböck G; Dufaud A; Gaillard C; Kreuz K; Martinoia E
CS University of Cologne, Botanical Institute, Gyrhofstrasse 15, D-50931
Cologne, Germany.. martinioi@hermes.univ-poitiers.fr
SO The Journal of biological chemistry, (1996 Nov 22) Vol. 271, No. 47, pp.
29666-71.
Journal code: 2985121R. ISSN: 0021-9258. L-ISSN: 0021-9258.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 199701
ED Entered STN: 28 Jan 1997
Last Updated on STN: 10 Dec 2002
Entered Medline: 13 Jan 1997

L17 ANSWER 4 OF 4 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
AN 1994:166837 BIOSIS
DN PREV1994971/79837
TI Transport of oxidized glutathione into barley vacuoles: Evidence for the
involvement of the glutathione-S-conjugate ATPase.
AU Tommasini, Roberto; Martinoia, Enrico [Reprint author]; Grill, Erwin;
Dietz, Karl-Josef; Amrhein, Nikolaus
CS Inst. fuer Pflanzenwissenschaften, ETH Zurich, Sonneggstrasse 5, CH-8092
Zurich, Switzerland
SO Zeitschrift fuer Naturforschung Section C Biosciences, (1993) Vol. 48, No.
11-12, pp. 867-871.
ISSN: 0939-5075.
DT Article
LA English
ED Entered STN: 8 Apr 1994
Last Updated on STN: 10 Apr 1994

=> d his

(FILE 'HOME' ENTERED AT 16:39:40 ON 14 JAN 2011)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
16:40:16 ON 14 JAN 2011

L1 734 S (SLABAS, A? OR SLABAS A?)/AU
L2 73 S (CHIVASA, S? OR CHIVASA S?)/AU
L3 57 S (NDIMBA, B? OR NDIMBA B?)/AU
L4 606 S (LINDSEY, K? OR LINDSEY K?)/AU
L5 13 S L1 AND L2 AND L3 AND L4
L6 5 DUPLICATE REMOVE L5 (8 DUPLICATES REMOVED)
L7 22133 S AMP-PCP OR AMP-PNP OR ATP-GAMMA-S OR GMP-PCP OR GMP-PNP OR GT
L8 2901 S (NONHYDROLYZABLE OR NON-HYDROLYZABLE OR NON-HYDROLYSABLE OR N
L9 23853 S L7 OR L8
L10 1356 S L1 OR L2 OR L3 OR L4
L11 11 S L9 AND L10
L12 5 S L11 NOT L5
L13 1 DUPLICATE REMOVE L12 (4 DUPLICATES REMOVED)
L14 798 S L9 AND (PLANT OR PLANTS)
L15 787 S L14 NOT L10
L16 9 S L15 AND HERBICIDE
L17 4 DUPLICATE REMOVE L16 (5 DUPLICATES REMOVED)

=> s apoptosis or (cell(w)death)
L18 844101 APOPTOSIS OR (CELL(W) DEATH)

=> s l14 and l18
L19 11 L14 AND L18

=> s l19 not l16
L20 11 L19 NOT L16

=> s l20 not l10

L21 5 L20 NOT L10

=> duplicate remove L21

DUPLICATE PREFERENCE IS 'MEDLINE, CABA, CAPLUS, BIOSIS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L21

L22 2 DUPLICATE REMOVE L21 (3 DUPLICATES REMOVED)

=> d L22 1-2 ti

L22 ANSWER 1 OF 2 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Structural insights into tail-anchored protein binding and membrane
insertion by Get3.

L22 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 1
TI Heterotrimeric G protein signaling is required for epidermal cell
death in rice.

=> d L22 2 bib

L22 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 1
AN 2009661191 MEDLINE
DN PubMed ID: 19656904
TI Heterotrimeric G protein signaling is required for epidermal cell
death in rice.
AU Steffens Bianka; Sauter Margret
CS Physiologie und Entwicklungsbiologie der Pflanzen, Botanisches Institut,
Universitat Kiel, 24118 Kiel, Germany.
SO Plant physiology, (2009 Oct) Vol. 151, No. 2, pp. 732-40. Electronic
Publication: 2009-08-05.
Journal code: 0401224. ISSN: 0032-0889. L-ISSN: 0032-0889.
Report No.: NLM-PMC2754641.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200912
ED Entered STN: 3 Oct 2009
Last Updated on STN: 29 Dec 2009
Entered Medline: 15 Dec 2009
REM.CNT 30 There are 30 cited references available in MEDLINE for this
document.

=> s L14 and death

L23 10 L14 AND DEATH

=> s L23 not L16

L24 10 L23 NOT L16

=> s L24 not L10

L25 4 L24 NOT L10

=> duplicate remove L25

DUPLICATE PREFERENCE IS 'MEDLINE, CABA, CAPLUS, BIOSIS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L25

L26 1 DUPLICATE REMOVE L25 (3 DUPLICATES REMOVED)

=> d L26 ti

L26 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1
TI Heterotrimeric G protein signaling is required for epidermal cell
death in rice.

=> d his

(FILE 'HOME' ENTERED AT 16:39:40 ON 14 JAN 2011)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
16:40:16 ON 14 JAN 2011

L1 734 S (SLABAS, A? OR SLABAS A?)/AU
L2 73 S (CHIVASA, S? OR CHIVASA S?)/AU
L3 57 S (NDIMBA, B? OR NDIMBA B?)/AU
L4 606 S (LINDSEY, K? OR LINDSEY K?)/AU
L5 13 S L1 AND L2 AND L3 AND L4
L6 5 DUPLICATE REMOVE L5 (8 DUPLICATES REMOVED)
L7 22133 S AMP-PCP OR AMP-PNP OR ATP-GAMMA-S OR GMP-PCP OR GMP-PNP OR GT
L8 2901 S (NONHYDROLYZABLE OR NON-HYDROLYZABLE OR NON-HYDROLYSABLE OR N
L9 23853 S L7 OR L8
L10 1356 S L1 OR L2 OR L3 OR L4
L11 11 S L9 AND L10
L12 5 S L11 NOT L5
L13 1 DUPLICATE REMOVE L12 (4 DUPLICATES REMOVED)
L14 798 S L9 AND (PLANT OR PLANTS)
L15 787 S L14 NOT L10
L16 9 S L15 AND HERBICIDE
L17 4 DUPLICATE REMOVE L16 (5 DUPLICATES REMOVED)
L18 844101 S APOPTOSIS OR (CELL(W)DEATH)
L19 11 S L14 AND L18
L20 11 S L19 NOT L16
L21 5 S L20 NOT L10
L22 2 DUPLICATE REMOVE L21 (3 DUPLICATES REMOVED)
L23 10 S L14 AND DEATH
L24 10 S L23 NOT L16
L25 4 S L24 NOT L10
L26 1 DUPLICATE REMOVE L25 (3 DUPLICATES REMOVED)

=> s l14 not l10
L27 787 L14 NOT L10

=> s l14 not l19
L28 787 L14 NOT L19

=> s l27 not l10
L29 787 L27 NOT L10

=> s l27 not l19
L30 787 L27 NOT L19

=> s l30 not l23
L31 787 L30 NOT L23

=> duplicate remove l31
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING IS APPROXIMATELY 94% COMPLETE FOR L31
PROCESSING COMPLETED FOR L31
L32 461 DUPLICATE REMOVE L31 (321 DUPLICATES REMOVED)

=> d l32 1-10 ti

L32 ANSWER 1 OF 461 CAPLUS COPYRIGHT 2011 ACS on STN
 TI Regulation of cotton fiber growth by extracellular nucleotides and modulated expression of ectoapyrase

L32 ANSWER 2 OF 461 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
 TI Crystal Structure of the Mg center dot ADP-inhibited State of the Yeast F(1)c(10)-ATP Synthase.

L32 ANSWER 3 OF 461 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
 TI Chrysopaentins A-H, Antibacterial Bisdiarylbutene Macrocycles That Inhibit the Bacterial Cell Division Protein FtsZ.

L32 ANSWER 4 OF 461 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
 TI DNA Binding Induces Dimerization of Saccharomyces cerevisiae Pif1.

L32 ANSWER 5 OF 461 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
 TI Identification of serotonin 5-HT1A receptor partial agonists in ginger.

L32 ANSWER 6 OF 461 CABA COPYRIGHT 2011 CABI on STN. DUPLICATE 1
 TI Apyrase (nucleoside triphosphate-diphosphohydrolase) and extracellular nucleotides regulate cotton fiber elongation in cultured ovules.

L32 ANSWER 7 OF 461 CABA COPYRIGHT 2011 CABI on STN. DUPLICATE 2
 TI The plant cannabinoid A9-tetrahydrocannabivarin can decrease signs of inflammation and inflammatory pain in mice. Special Issue: Cannabinoids

L32 ANSWER 8 OF 461 CABA COPYRIGHT 2011 CABI on STN.
 TI Estrogen and non-genomic upregulation of voltage-gated Na+ channel activity in MDA-MB-231 human breast cancer cells: role in adhesion.

L32 ANSWER 9 OF 461 MEDLINE on STN DUPLICATE 3
 TI Both the stimulation and inhibition of root hair growth induced by extracellular nucleotides in Arabidopsis are mediated by nitric oxide and reactive oxygen species.

L32 ANSWER 10 OF 461 CABA COPYRIGHT 2011 CABI on STN. DUPLICATE 4
 TI Parishin C attenuates phencyclidine-induced schizophrenia-like psychosis in mice: involvements of 5-HT1A receptor.

=> d his

(FILE 'HOME' ENTERED AT 16:39:40 ON 14 JAN 2011)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 16:40:16 ON 14 JAN 2011

L1 734 S (SLABAS, A? OR SLABAS A?)/AU
 L2 73 S (CHIVASA, S? OR CHIVASA S?)/AU
 L3 57 S (NDIMBA, B? OR NDIMBA B?)/AU
 L4 606 S (LINDSEY, K? OR LINDSEY K?)/AU
 L5 13 S L1 AND L2 AND L3 AND L4
 L6 5 DUPLICATE REMOVE L5 (8 DUPLICATES REMOVED)
 L7 22133 S AMP-PCP OR AMP-PNP OR ATP-GAMMA-S OR GMP-PCP OR GMP-PNP OR GT
 L8 2901 S (NONHYDROLYZABLE OR NON-HYDROLYZABLE OR NON-HYDROLYSABLE OR N
 L9 23853 S L7 OR L8
 L10 1356 S L1 OR L2 OR L3 OR L4
 L11 11 S L9 AND L10

L12 5 S L11 NOT L5
 L13 1 DUPLICATE REMOVE L12 (4 DUPLICATES REMOVED)
 L14 798 S L9 AND (PLANT OR PLANTS)
 L15 787 S L14 NOT L10
 L16 9 S L15 AND HERBICIDE
 L17 4 DUPLICATE REMOVE L16 (5 DUPLICATES REMOVED)
 L18 844101 S APOPTOSIS OR (CELL(W)DEATH)
 L19 11 S L14 AND L18
 L20 11 S L19 NOT L16
 L21 5 S L20 NOT L10
 L22 2 DUPLICATE REMOVE L21 (3 DUPLICATES REMOVED)
 L23 10 S L14 AND DEATH
 L24 10 S L23 NOT L16
 L25 4 S L24 NOT L10
 L26 1 DUPLICATE REMOVE L25 (3 DUPLICATES REMOVED)
 L27 787 S L14 NOT L10
 L28 787 S L14 NOT L19
 L29 787 S L27 NOT L10
 L30 782 S L27 NOT L19
 L31 782 S L30 NOT L23
 L32 461 DUPLICATE REMOVE L31 (321 DUPLICATES REMOVED)

=> s l32 and atp
 L33 241 L32 AND ATP

=> d l33 1-10 ti

L33 ANSWER 1 OF 241 MEDLINE on STN
 TI Both the stimulation and inhibition of root hair growth induced by extracellular nucleotides in Arabidopsis are mediated by nitric oxide and reactive oxygen species.

L33 ANSWER 2 OF 241 MEDLINE on STN
 TI Extracellular ATP-induced NO production and its dependence on membrane Ca²⁺ flux in *Salvia miltiorrhiza* hairy roots.

L33 ANSWER 3 OF 241 MEDLINE on STN
 TI The signaling role of extracellular ATP and its dependence on Ca²⁺ flux in elicitation of *Salvia miltiorrhiza* hairy root cultures.

L33 ANSWER 4 OF 241 MEDLINE on STN
 TI Cotton GhKCH2, a plant-specific kinesin, is low-affinitive and nucleotide-independent as binding to microtubule.

L33 ANSWER 5 OF 241 MEDLINE on STN
 TI Mutational analysis of a helicase motif-based RNA 5'-triphosphatase/NTase from bamboo mosaic virus.

L33 ANSWER 6 OF 241 MEDLINE on STN
 TI DNA strand exchange activity of rice recombinase OsDmcl monitored by fluorescence resonance energy transfer and the role of ATP hydrolysis.

L33 ANSWER 7 OF 241 MEDLINE on STN
 TI DNA binding and pairing activity of OsDmcl, a recombinase from rice.

L33 ANSWER 8 OF 241 MEDLINE on STN
 TI Human Sgt1 binds HSP90 through the CHORD-Sgt1 domain and not the tetratricopeptide repeat domain.

L33 ANSWER 9 OF 241 MEDLINE on STN
 TI Cloning and molecular characterization of the salt-regulated jojoba ScRab

cDNA encoding a small GTP-binding protein.

L33 ANSWER 10 OF 241 MEDLINE on STN

TI Evidence for nucleotide-dependent passive H⁺ transport protein in the plasma membrane of barley roots.

=> s l33 and extracellular

L34 16 L33 AND EXTRACELLULAR

=> d l34 1-10 ti

L34 ANSWER 1 OF 16 MEDLINE on STN

TI Both the stimulation and inhibition of root hair growth induced by extracellular nucleotides in Arabidopsis are mediated by nitric oxide and reactive oxygen species.

L34 ANSWER 2 OF 16 MEDLINE on STN

TI Extracellular ATP-induced NO production and its dependence on membrane Ca²⁺ flux in *Salvia miltiorrhiza* hairy roots.

L34 ANSWER 3 OF 16 MEDLINE on STN

TI The signaling role of extracellular ATP and its dependence on Ca²⁺ flux in elicitation of *Salvia miltiorrhiza* hairy root cultures.

L34 ANSWER 4 OF 16 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2011) on STN

TI Extracellular ATP Induces the Accumulation of Superoxide via NADPH Oxidases in Arabidopsis.

L34 ANSWER 5 OF 16 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2011) on STN

TI GCAC1 recognizes the pH gradient across the plasma membrane: a pH-sensitive and ATP-dependent anion channel links guard cell membrane potential to acid and energy metabolism.

L34 ANSWER 6 OF 16 CABA COPYRIGHT 2011 CABI on STN.

TI Apyrase (nucleoside triphosphate-diphosphohydrolase) and extracellular nucleotides regulate cotton fiber elongation in cultured ovules.

L34 ANSWER 7 OF 16 CABA COPYRIGHT 2011 CABI on STN.

TI Intersection of two signalling pathways: extracellular nucleotides regulate pollen germination and pollen tube growth via nitric oxide.

L34 ANSWER 8 OF 16 CABA COPYRIGHT 2011 CABI on STN.

TI Extracellular ATP induces nitric oxide production in tomato cell suspensions.

L34 ANSWER 9 OF 16 CABA COPYRIGHT 2011 CABI on STN.

TI Extracellular ATP induces the accumulation of superoxide via NADPH oxidases in Arabidopsis.

L34 ANSWER 10 OF 16 CABA COPYRIGHT 2011 CABI on STN.

TI Evidence of a novel cell signaling role for extracellular adenosine triphosphates and diphosphates in Arabidopsis.

=> d 134 1-16 bib

L34 ANSWER 1 OF 16 MEDLINE on STN
AN 2010885268 MEDLINE
DN PubMed ID: 20820881
TI Both the stimulation and inhibition of root hair growth induced by extracellular nucleotides in Arabidopsis are mediated by nitric oxide and reactive oxygen species.
AU Clark Greg; Wu Michael; Wat Noel; Onyirimba James; Pham Trieu; Herz Niculin; Ogoti Justin; Gomez Delmy; Canales Arinda A; Aranda Gabriela; Blizard Misha; Nyberg Taylor; Terry Anne; Torres Jonathan; Wu Jian; Roux Stanley J
CS Section of Molecular Cell and Developmental Biology, University of Texas, 78712, Austin, TX, USA.
NC (United States Howard Hughes Medical Institute)
SO Plant molecular biology, (2010 Nov) Vol. 74, No. 4-5, pp. 423-35. Electronic Publication: 2010-09-05. Journal code: 9106343. E-ISSN: 1573-5028. L-ISSN: 0167-4412.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
(RESEARCH SUPPORT, U.S. GOV'T, NON-P.H.S.)
LA English
FS Priority Journals
EM 201012
ED Entered STN: 13 Oct 2010
Last Updated on STN: 17 Dec 2010
Entered Medline: 8 Dec 2010

L34 ANSWER 2 OF 16 MEDLINE on STN
AN 2008711414 MEDLINE
DN PubMed ID: 18977749
TI Extracellular ATP-induced NO production and its dependence on membrane Ca²⁺ flux in Salvia miltiorrhiza hairy roots.
AU Wu Shu-Jing; Wu Jian-Yong
CS Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong.
SO Journal of experimental botany, (2008) Vol. 59, No. 14, pp. 4007-16. Journal code: 9882906. E-ISSN: 1460-2431. L-ISSN: 0022-0957. Report No.: NLM-PMC2576636.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200812
ED Entered STN: 4 Nov 2008
Last Updated on STN: 2 Jan 2009
Entered Medline: 15 Dec 2008
REM.CNT 36 There are 36 cited references available in MEDLINE for this document.

L34 ANSWER 3 OF 16 MEDLINE on STN
AN 2008248820 MEDLINE
DN PubMed ID: 18325935
TI The signaling role of extracellular ATP and its dependence on Ca²⁺ flux in elicitation of Salvia miltiorrhiza hairy root cultures.
AU Wu Shu-Jing; Liu Yuan-Shuai; Wu Jian-Yong
CS Department of Applied Biology and Chemical Technology, The Hong Kong

Polytechnic University, Hung Hom, Kowloon, Hong Kong, PR China.
 SO Plant & cell physiology, (2008 Apr) Vol. 49, No. 4, pp. 617-24.
 Electronic Publication: 2008-03-06.
 Journal code: 9430925. E-ISSN: 1471-9053. L-ISSN: 0032-0781.
 CY Japan
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200805
 ED Entered STN: 16 Apr 2008
 Last Updated on STN: 29 May 2008
 Entered Medline: 28 May 2008

L34 ANSWER 4 OF 16 AGRICOLA Compiled and distributed by the National
 Agricultural Library of the Department of Agriculture of the United States
 of America. It contains copyrighted materials. All rights reserved.
 (2011) on STN
 AN 2006:28354 AGRICOLA
 DN IND43796758
 TI Extracellular ATP Induces the Accumulation of
 Superoxide via NADPH Oxidases in Arabidopsis.
 AU Song, Charlotte J.; Steinebrunner, Iris; Wang, Xuanchi; Stout, Stephen C.;
 Roux, Stanley J.
 AV DNAL (450 P692)
 SO Plant physiology, 2006 Apr. Vol. 140, no. 4 p. 1222-1232
 Publisher: American Society of Plant Biologists
 ISSN: 1532-2548
 NTE Includes references
 DT Article
 FS Other US
 LA English

L34 ANSWER 5 OF 16 AGRICOLA Compiled and distributed by the National
 Agricultural Library of the Department of Agriculture of the United States
 of America. It contains copyrighted materials. All rights reserved.
 (2011) on STN
 AN 1998:52040 AGRICOLA
 DN IND20629582
 TI GCAC1 recognizes the pH gradient across the plasma membrane: a
 pH-sensitive and ATP-dependent anion channel links guard cell
 membrane potential to acid and energy metabolism.
 AU Schulz-Lessdorf, B.; Lohse, G.; Hedrich, R.
 AV DNAL (QK710.P68)
 SO The Plant journal : for cell and molecular biology, Dec 1996. Vol. 10, No.
 6. p. 993-1004
 Publisher: Oxford : BIOS Scientific Publishers Ltd and Blackwell Sciences
 Ltd.
 ISSN: 0960-7412
 NTE Includes references
 CY England; United Kingdom
 DT Article
 FS Non-U.S. Imprint other than FAO
 LA English

L34 ANSWER 6 OF 16 CABA COPYRIGHT 2011 CABI on STN.
 AN 2010:97282 CABA
 DN 20103090669
 TI Apyrase (nucleoside triphosphate-diphosphohydrolase) and
 extracellular nucleotides regulate cotton fiber elongation in
 cultured ovules.
 AU Clark, G.; Torres, J.; Finlayson, S.; Guan, X. Y.; Handley, C.; Lee, J.

S.; Kays, J. E.; Chen, Z. J.; Roux, S. J.
 CS Section of Molecular Cell and Developmental Biology, University of
 Texas, Austin, TX 78712, USA.
 EMAIL: sroux@uts.cc.utexas.edu
 SO Plant Physiology (2010) Volume 152, Number 2, pp. 1073-1083
 ISSN: 0032-0889
 DOI: 10.1104/pp.109.147637
 Published by: American Society of Plant Biologists, Rockville
 URL: <http://www.plantphysiol.org/cgi/content/full/152/2/1073>
 CY United States of America
 DT Journal
 LA English
 ED Entered STN: 27 Oct 2010
 Last updated on STN: 27 Oct 2010

L34 ANSWER 7 OF 16 CABA COPYRIGHT 2011 CABI on STN.
 AN 2009:155822 CABA
 DN 20093159630
 TI Intersection of two signalling pathways: extracellular
 nucleotides regulate pollen germination and pollen tube growth via
 nitric oxide.
 AU Reichler, S. A.; Torres, J.; Rivera, A. L.; Cintolesi, V. A.; Clark, G.;
 Roux, S. J.
 CS Section of Molecular Cell and Developmental Biology, University of Texas
 at Austin, 1 University Station, A6700 Austin, TX 78712, USA.
 EMAIL: sroux@uts.cc.utexas.edu
 SO Journal of Experimental Botany (2009) Volume 60, Number 7, pp. 2129-2138
 ISSN: 0022-0957
 DOI: 10.1093/jxb/erp091
 Published by: Oxford University Press, Oxford
 URL: <http://jxb.oxfordjournals.org/>
 CY United Kingdom
 DT Journal
 LA English
 ED Entered STN: 27 Oct 2010
 Last updated on STN: 27 Oct 2010

L34 ANSWER 8 OF 16 CABA COPYRIGHT 2011 CABI on STN.
 AN 2008:204051 CABA
 DN 20083214930
 TI Extracellular ATP induces nitric oxide production in
 tomato cell suspensions.
 AU Foresi, N. P.; Laxalt, A. M.; Tonon, C. V.; Casalongue, C. A.;
 Lamattina, L.
 CS Instituto de Investigaciones Biologicas, Universidad Nacional de Mar del
 Plata, 7600 Mar del Plata, Argentina.
 EMAIL: lolama@mdp.edu.ar
 SO Plant Physiology (2007) Volume 145, Number 3, pp. 589-592, 28 refs.
 ISSN: 0032-0889
 DOI: 10.1104/pp.107.106518
 Published by: American Society of Plant Biologists, Rockville
 URL: <http://www.plantphysiol.org/>
 CY United States of America
 DT Journal
 LA English
 ED Entered STN: 27 Oct 2010
 Last updated on STN: 27 Oct 2010

L34 ANSWER 9 OF 16 CABA COPYRIGHT 2011 CABI on STN.
 AN 2006:116219 CABA
 DN 20063089815
 TI Extracellular ATP induces the accumulation of

superoxide via NADPH oxidases in Arabidopsis.

AU Song, C. J.; Steinebrunner, I.; Wang, X. Z.; Stout, S. C.; Roux, S. J.
 CS Section of Molecular Cell and Developmental Biology, University of
 Texas, Austin, TX 78712, USA.
 EMAIL: sroux@uts.cc.utexas.edu

SO Plant Physiology (2006) Volume 140, Number 4, pp. 1222-1232
 ISSN: 0032-0889
 DOI: 10.1104/pp.105.073072
 Published by: American Society of Plant Biologists, Rockville
 URL: <http://www.plantphysiol.org/>

CY United States of America
 DT Journal
 LA English
 ED Entered STN: 27 Oct 2010
 Last updated on STN: 27 Oct 2010

L34 ANSWER 10 OF 16 CABA COPYRIGHT 2011 CABI on STN.
 AN 2005:4299 CABA
 DN 20043191066
 TI Evidence of a novel cell signaling role for extracellular
 adenosine triphosphates and diphosphates in Arabidopsis.

AU Jeter, C. R.; Tang, W. Q.; Henaff, E.; Butterfield, T.; Roux, S. J.
 CS Section of Molecular Cell and Developmental Biology, University of
 Texas, Austin, TX 78712, USA.
 EMAIL: sroux@uts.cc.utexas.edu

SO Plant Cell (2004) Volume 16, Number 10, pp. 2652-2664
 ISSN: 1040-4651
 DOI: 10.1105/tpc.104.023945
 Published by: American Society of Plant Biologists, Rockville
 URL: <http://www.plantcell.org/>

CY United States of America
 DT Journal
 LA English
 ED Entered STN: 27 Oct 2010
 Last updated on STN: 27 Oct 2010

L34 ANSWER 11 OF 16 CABA COPYRIGHT 2011 CABI on STN.
 AN 2004:123864 CABA
 DN 20043102045
 TI Ginseng saponins induce store-operated calcium entry in Xenopus oocytes.
 AU Jeong SangMin; Lee JunHo; Kim Sunoh; Rhim Hyewhon; Lee ByungHwan; Kim
 JongHoon; Oh JaeWook; Lee SangMok; Nah SeungYeol; Jeong, S. M.; Lee, J.
 H.; Kim, S.; Rhim, H.; Lee, B. H.; Kim, J. H.; Oh, J. W.; Lee, S. M.;
 Nah, S. Y.

CS Research Laboratory for the Study of Ginseng Signal Transduction,
 Department of Physiology, College of Veterinary Medicine, Konkuk
 University, Seoul 143-701, Korea Republic.
 EMAIL: synah@konkuk.ac.kr

SO British Journal of Pharmacology (2004) Volume 142, Number 3, pp.
 585-593, 36 refs.
 ISSN: 0007-1188
 DOI: 10.1038/sj.bjp.0705797
 Published by: Nature Publishing Group, Basingstoke

CY United Kingdom
 DT Journal
 LA English
 ED Entered STN: 27 Oct 2010
 Last updated on STN: 27 Oct 2010

L34 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2011 ACS on STN
 AN 2010:720119 CAPLUS
 DN 153:56902

TI Regulation of cotton fiber growth by extracellular nucleotides
and modulated expression of ectoapyrase
IN Roux, Stanley; Clark, Greg; Torres, Jonathan; Chen, Zengjian Jeffrey; Lee,
Jinsuk
PA University of Texas, USA
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2010065725	A2	20100610	WO 2009-US66560	20091203
	WO 2010065725	A3	20101014		
	W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
PRAI	US 2008-120273P	P	20081205		

L34 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2011 ACS on STN
AN 2009:67726 CAPLUS
DN 151:376609
TI Participation of extracellular nucleotides in the wound response
of *Dasycladus vermicularis* and *Acetabularia acetabulum* (Dasycladales,
Chlorophyta)
AU Torres, Jonathan; Rivera, Amy; Clark, Greg; Roux, Stanley J.
CS Section of Molecular Cell and Developmental Biology, University of Texas,
Austin, TX, 78712, USA
SO Journal of Phycology (2008), 44(6), 1504-1511
CODEN: JPYLAJ; ISSN: 0022-3646
PB Wiley-Blackwell
DT Journal
LA English
OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L34 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2011 ACS on STN
AN 2006:1143680 CAPLUS
DN 146:58684
TI Plant responses to extracellular nucleotides: cellular
processes and biological effects
AU Jeter, Collene R.; Roux, Stanley J.
CS Science Park-Research Division, Department of Carcinogenesis, The
University of Texas MD Anderson Cancer Center, Smithville, TX, 78957, USA
SO Purinergic Signalling (2006), 2(3), 443-449
CODEN: PSUIA9; ISSN: 1573-9538
PB Springer
DT Journal; General Review
LA English
OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L34 ANSWER 15 OF 16 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on
STN
AN 2008:503728 BIOSIS
DN PREV200800503727
TI Evidence for a new class of plant growth regulators:
extracellular nucleotides.
AU Roux, Stanley J.; Wu, Jian; Reichler, Stuart
CS sroux@uts.cc.utexas.edu
SO Plant Biology (Rockville), (AUG 2006) Vol. 2006, pp. 236-237.
Meeting Info.: Joint Meeting of the
American-Society-of-Plant-Biologists/Canadian-Society-of-Plant-Physiology
(Plant Biology 2006). Boston, MA, USA. August 05 -09, 2006. Amer Soc Plant
Biologists; Canadian Soc Plant Physiol.
DT Conference; (Meeting)
LA English
ED Entered STN: 10 Sep 2008
Last Updated on STN: 10 Sep 2008

L34 ANSWER 16 OF 16 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on
STN
AN 1983:294211 BIOSIS
DN PREV198376051703; BA76:51703
TI TRITIUM LABELED OUABAIN BINDING AND SODIUM POTASSIUM ATPASE IN RE SEALED
HUMAN RED CELL GHOSTS.
AU SHOEMAKER D G [Reprint author]; LAUF P K
CS DEP PHYSIOL, DUKE UNIV MED CENT, BOX 3709, DURHAM, NC 27710, USA
SO Journal of General Physiology, (1983) Vol. 81, No. 3, pp. 401-420.
CODEN: JGPLAD. ISSN: 0022-1295.
DT Article
FS BA
LA ENGLISH

=> d his

(FILE 'HOME' ENTERED AT 16:39:40 ON 14 JAN 2011)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
16:40:16 ON 14 JAN 2011

L1 734 S (SLABAS, A? OR SLABAS A?)/AU
L2 73 S (CHIVASA, S? OR CHIVASA S?)/AU
L3 57 S (NDIMBA, B? OR NDIMBA B?)/AU
L4 606 S (LINDSEY, K? OR LINDSEY K?)/AU
L5 13 S L1 AND L2 AND L3 AND L4
L6 5 DUPLICATE REMOVE L5 (8 DUPLICATES REMOVED)
L7 22133 S AMP-PCP OR AMP-PNP OR ATP-GAMMA-S OR GMP-PCP OR GMP-PNP OR GT
L8 2901 S (NONHYDROLYZABLE OR NON-HYDROLYZABLE OR NON-HYDROLYSABLE OR N
L9 23853 S L7 OR L8
L10 1356 S L1 OR L2 OR L3 OR L4
L11 11 S L9 AND L10
L12 5 S L11 NOT L5
L13 1 DUPLICATE REMOVE L12 (4 DUPLICATES REMOVED)
L14 798 S L9 AND (PLANT OR PLANTS)
L15 787 S L14 NOT L10
L16 9 S L15 AND HERBICIDE
L17 4 DUPLICATE REMOVE L16 (5 DUPLICATES REMOVED)
L18 844101 S APOPTOSIS OR (CELL(W)DEATH)
L19 11 S L14 AND L18
L20 11 S L19 NOT L16
L21 5 S L20 NOT L10

L22 2 DUPLICATE REMOVE L21 (3 DUPLICATES REMOVED)
 L23 10 S L14 AND DEATH
 L24 10 S L23 NOT L16
 L25 4 S L24 NOT L10
 L26 1 DUPLICATE REMOVE L25 (3 DUPLICATES REMOVED)
 L27 787 S L14 NOT L10
 L28 787 S L14 NOT L19
 L29 787 S L27 NOT L10
 L30 782 S L27 NOT L19
 L31 782 S L30 NOT L23
 L32 461 DUPLICATE REMOVE L31 (321 DUPLICATES REMOVED)
 L33 241 S L32 AND ATP
 L34 16 S L33 AND EXTRACELLULAR

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

164.53

164.76

STN INTERNATIONAL LOGOFF AT 17:04:21 ON 14 JAN 2011